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Art Unit 2834

REMARKS

Claims 1-12 were presented for examination in the present application. The instant amendment adds new claims 13-16. Thus, claims 1-16 are pending upon entry of the instant amendment.

Claims 1, 7-8, 10 were objected to by the outstanding Office Action, while claims 5-8 were rejected under 35 U.S.C. §112, second paragraph.

Claims 1, 8, and 10 have been amended to address the objections and rejections to the claims.

Claims 5 and 6 have been amended to correct a typographical error, namely to change "guiding chamber" to "guiding chamfer". Support for the "guiding chamfer" element can be found in the specification at least at page 5, third paragraph. Claim 6 has also been amended to clarify that the guiding chamfer faces the mounting direction.

Claim 7 has been amended to change "guiding projections" to "retaining projections" for purposes of antecedent basis. Claim 7 has also been amended to clarify that the retaining projections extend "no more than half the length of the pole ring".

Claims 2 and 4 have been amended to provide antecedent basis for all claim elements.

These amendments merely make explicit what had been implicit in the claims. It is respectfully submitted that the above amendments obviate the objections and rejections to the claims. Accordingly, reconsideration and withdrawal of the objections and rejections to claims 1, 5-8, and 10 are respectfully requested.

Claims 1-12 were rejected under 35 U.S.C. §102(b) over U.S. Patent No. 5,057,730 to Yoshida et al. (Yoshida).

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Independent claim 1 requires retaining projections for “radially securing and axially retaining the pole ring in the D.C. motor housing”.

Yoshida is directed to a guide plate 8 for locating permanent magnets in a dynamic electric machine. See col. 1, lines 63-64. For that purpose, the guide plate 8 is provided with guide tabs 8b to guide the tie bolts 7 into holes 2b. The guide plate 8 also has a plurality of locating tabs 8c that project towards the end bracket 3 such that their ends abut substantially mid portions of end surfaces 4a of the permanent magnets 4. Therefore, when the permanent magnets 4 are bonded with adhesive 13 to the inner peripheral surface of the yoke 2, the end surfaces 4a of the magnets 4 are stopped by the locating tabs 8c so that the permanent magnets 4 are properly located. See col. 3, lines 9-31. Thus, Yoshida discloses a guide plate that aligns the permanent magnets by providing a correct centering and a separate adhesive that secures the magnets in the desired location.

It is respectfully submitted that the complex system of guide plates and adhesive of Yoshida does not disclose or suggest the retaining projections that radially securing and axially retaining the pole ring in the D.C. motor housing recited by claim 1. Claim 1 is therefore believed to be in condition for allowance.

Claims 2-9 are also believed to be in condition for allowance for at least the reason that they depend from the aforementioned claim 1. Accordingly, reconsideration and withdrawal of the rejection to claims 1-9 are respectfully requested.

Independent claim 10, similar to claim 1 above, requires retaining projections for the secure radial and axial retainment in the housing. Again, Yoshida discloses a guide plate that aligns the permanent magnets by providing a correct centering and adhesive that secures the magnets in the desired location. However, the complex system of guide plates and adhesive of Yoshida does not disclose or suggest the retaining projections for the secure radial and axial retainment in the housing recited by claim 10. Claim 10 is therefore believed to be in condition for allowance.

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Claims 11 and 12 are also believed to be in condition for allowance for at least the reason that they depend from the aforementioned claim 10. Accordingly, reconsideration and withdrawal of the rejection to claims 10-12 are respectfully requested.

Claims 13-16 have been added to point out various aspects of the present application. Support for new claim 13 can be found in the specification at least at page 2, paragraph 3. Support for new claims 14-16 can be found at least in original claims 1, 2, and 5, respectively.

It is believed that new claims 13-16 are in a condition for allowance.

For example, claim 13 recites that "the plurality of retaining projections push into the soft material of the motor housing during mounting so that the plurality of retaining projections radially secure and axially retain the pole ring in the motor housing."

Again, the complex system of guide plates and adhesive of Yoshida does not disclose or suggest the retaining projections that radially secure and axially retain the pole ring in the motor housing as recited by claim 13.

In addition, Yoshida discloses that the guide plate 8 avoids the undesirable deformation of the yoke 2. See col. 3, line 65 through col. 4, line 2. Clearly, the guide plate that avoids deformation does not disclose or suggest the pole ring that pushes into the soft material of the motor housing during mounting as recited by claim 13.

Accordingly, claim 13, as well as claims 14-16 that depend therefrom, are believed to be in condition for allowance.

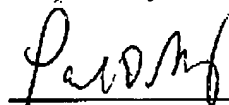
In view of the above, it is respectfully submitted that the present application is in condition for allowance. Such action is solicited.

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If for any reason the Examiner feels that consultation with Applicants' attorney would be helpful in the advancement of the prosecution, the Examiner is invited to call the telephone number below.

Respectfully submitted,

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